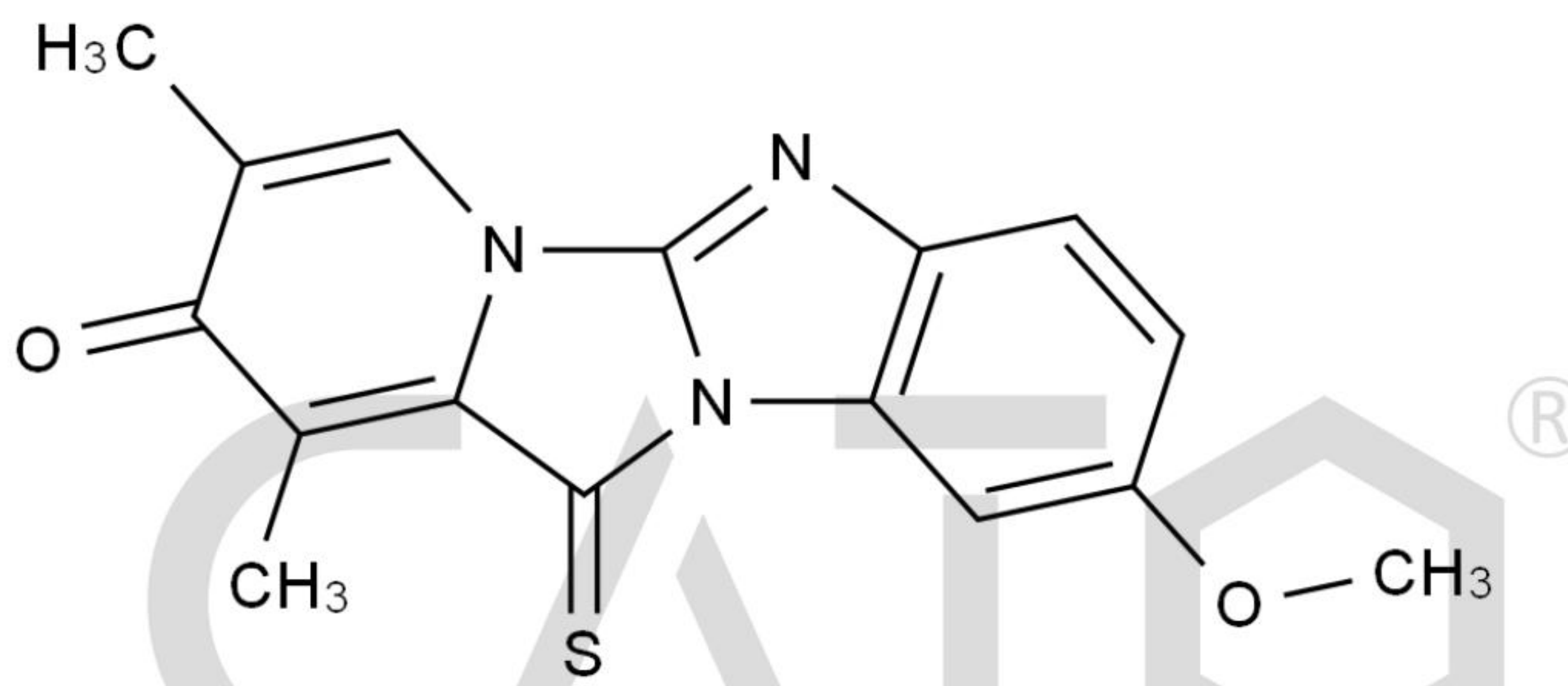


Certificate of Analysis

Reference Material & Standard

Product Name:	Omeprazole EP Impurity G	Catalogue Number:	C4X-111212
Synonyms:	Esomeprazole EP Impurity G	Lot Number:	0717-RG-0018
CAS Number:	125656-83-9	Expiry Date:	Jul 16, 2029
Molecular Formula:	C ₁₆ H ₁₃ N ₃ O ₂ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	311.36		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red-Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.957%
Residue on Ignition	TGA	0.2950%
Loss On Drying	TGA	0.0127%
Assay		97.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 17, 2025

Date: Jul 17, 2025

Date: Jul 17, 2025

